

In the claims:

Please amend the claims as follows:

1. (Currently Amended) A method for recovering mesenchymal stem cells, comprising:
  - (a) providing a mixture comprising mesenchymal stem cells;
  - (b) seeding the mixture into a culture device and isolating the mesenchymal stem cells prior to cell adherence to the culture device; and
  - (c) ~~culturing~~ recovering the mesenchymal stem cells.
2. The method as claimed in claim 1, wherein said culture device comprises a plate with pores, wherein the pore size is sufficient for separating mesenchymal stem cells from other cells.
3. The method as claimed in claim 2, wherein the pore size ranges from about 0.4 to 40 microns in diameter.
4. (Once Amended) The method as claimed in claim 1, wherein the mixture comprises mammalian mesenchymal stem cells.
5. (Currently Amended) The method as claimed in claim 4, wherein the cells are selected from the group consisting of fractioned tissue, un-fractioned tissue, and a body fluid.
6. (Once Amended) The method as claimed in claim 5, wherein the mixture comprises human mesenchymal stem cells.
7. (Currently Amended) The method as claimed in claim 5, wherein the cells are selected from the group consisting of a bone marrow, an embryonic yolk sac, a placenta, an umbilical cord, ~~and~~ a fetal, adolescent or adult body fluid, and a fetal, adolescent or adult tissue.

8. (Cancelled)
9. (Once Amended) The method as claimed in claim 1, wherein the mesenchymal stem cells are differentiable into tissues comprising bone, adipose, or cartilage.
10. (Once Amended) The method as claimed in claim 1, wherein the mesenchymal stem cells are characterized by CD 34.
11. (Once Amended) The method as claimed in claim 9, wherein the mesenchymal stem cells are cultured in 10% fetal bovine serum-supplemented Dulbecco's modified Eagle's medium containing 1 g/L of glucose.
- 12-20. (Cancelled)
21. (Previously Added) The method as claimed in claim 2, wherein the mixture comprises mammalian mesenchymal stem cells.
22. (Currently Amended) The method as claimed in claim 21, wherein the cells are selected from the group consisting of fractionated tissue, un-fractionated tissue, and a body fluid.
23. (Previously Added) The method as claimed in claim 22, wherein the body fluid is blood.
24. (Previously Added) The method as claimed in claim 22, wherein the mixture comprises human mesenchymal stem cells.
25. (Currently Amended) The method as claimed in claim 22, wherein the cells are selected from the group consisting of a bone marrow, an embryonic yolk sac, a placenta, an umbilical cord, and a fetal, adolescent or adult body fluid, and a fetal, adolescent or adult tissue.

26. (Previously Added) The method as claimed in claim 21, wherein the mixture comprises human mesenchymal stem cells.

27. (Previously Added) The method as claimed in claim 2, wherein the mesenchymal stem cells are differentiable into tissues comprising bone, adipose, or cartilage.

28. (Previously Added) The method as claimed in claim 2, wherein the mesenchymal stem cells are characterized by CD 34<sup>+</sup>.

29. (Previously Added) The method as claimed in claim 2, wherein the mesenchymal stem cells are cultured in 10% fetal bovine serum-supplemented Dulbecco's modified Eagle's medium containing 1 g/L of glucose.

30. (Previously Added) The method as claimed in claim 4, wherein the mixture comprises human mesenchymal stem cells.

31. (Previously Added) The method as claimed in claim 5, wherein the body fluid is blood.